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<110> Shaw, J. Stephen
National Institutes of Health

<120> Determining Kinase Specificity

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<400> 109
Lys Glu Val Val Arg Thr Asp Ser Leu Lys Gly Arg Arg Gly Arg
 1   5   10   15

<210> 110
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 110
Glu Gly Gly Asp Arg Arg Ala Ser Gly Arg Arg Lys
 1   5   10

<210> 111
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 111
Lys Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe
 1   5   10   15
Ser Phe Lys Lys
            20

<210> 112
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 112
Lys Arg Pro Gly Lys Lys Gly Ser Asn Lys Arg Pro Gly Lys Arg
 1   5   10   15

<210> 113
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 113
Gly Glu Asn Val Leu Lys Lys Ser Met Lys Ser Arg Val Lys Gly
 1   5   10   15

<210> 114
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 114
Lys Lys Lys Lys Arg Ala Ser Phe Lys Arg Lys Ser Ser Lys Lys Gly
 1   5   10   15

<210> 115
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 115
Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
 1   5   10

<210> 116
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 116
Glu Glu Gly Thr Phe Arg Ser Ser Ile Arg Arg Leu Ser Thr Arg Arg
 1   5   10   15
Arg

<210> 117
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 117
Asn Arg Lys Lys Lys Arg Thr Ser Phe Lys Arg Lys Ala
 1   5   10

<210> 118
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 118
Arg Pro Gln Asn Thr Leu Lys Ala Ser Lys Lys Lys Lys Arg Ala Ser
 1   5   10   15
Phe Lys Arg Lys
            20

<210> 119
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 119
Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe Ser
 1   5   10   15
Phe Lys Lys Asn
            20

<210> 120
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 120
Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser Thr Ser Lys
 1   5   10   15

<210> 121
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 121
Leu Arg Arg Arg Ser Leu Arg Arg Ser Asn Ser Ile Ser Lys Ser Pro
 1   5   10   15
Gly Pro

<210> 122
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 122
Arg Ala Ile Thr Ser Thr Leu Ala Ser Ser Phe Lys Arg Arg Arg
 1   5   10   15

<210> 123
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 123
Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys Leu Ser Gly Phe Ser
 1   5   10   15
Phe Lys Lys Asn
            20

<210> 124
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 124
Pro Arg Leu Ile Arg Arg Gly Ser Lys Lys Arg Pro Ala Arg
 1   5   10

<210> 125
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 125
Pro Leu Lys Glu Lys Lys Arg Glu Arg Lys Thr Ser Ser Lys Ser Ser
 1   5   10   15
Val Arg Lys Arg
            20

<210> 126
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 126
Lys Ala Ile Lys Ala Ile Glu Gly Gly Gln Lys Phe Ala Arg Lys Ser
 1   5   10   15
Thr Arg Arg Ser
            20

<210> 127
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 127
Ser Gln Val Gln Lys Gln Arg Ser Ala Gly Ser Phe Lys Arg Asn Ser
 1   5   10   15
Ile Lys Lys Ile
            20

<210> 128
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 128
Gln Gln Val Asp Arg Glu Arg Pro His Val Arg Arg Arg Arg Gly Thr
 1   5   10   15
Phe Lys Arg Ser
            20

<210> 129
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 129
Val Gln Arg His Arg Ser Met Arg Lys Thr Phe Ala Arg Tyr Leu Ser
 1   5   10   15
Phe Arg Arg Asp
            20

<210> 130
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 130
Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Arg Ala Val
 1   5   10

<210> 131
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 131
Trp Lys Gly Lys Arg Arg Ser Lys Ala Arg Lys Lys Arg Lys
 1   5   10

<210> 132
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 132
Gly Phe Leu Asn Glu Pro Leu Ser Ser Lys Ser Gln Arg Arg Lys Ser
 1   5   10   15
Leu Lys Leu Lys
            20

<210> 133
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 133
Leu Glu Lys Arg Gly Met Leu Gly Lys Arg Pro Arg Arg Lys Ser Ser
 1   5   10   15
Arg Arg Lys Lys
            20

<210> 134
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 134
Arg Ser Arg Ser Arg Ser Arg Ser Lys Ser Lys Asp Lys Arg Lys Ser
 1   5   10   15
Arg Lys Arg Ser
            20

<210> 135
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 135
Lys Lys Lys Phe Arg Thr Pro Ser Phe Leu Lys Lys Ser Lys Lys
 1   5   10   15

<210> 136
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 136
Arg Ala Arg Arg Asp Ser Leu Lys Lys Ile Glu Ile Trp
 1   5   10

<210> 137
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 137
Pro Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Phe Arg Thr Pro Ser
 1   5   10   15
Phe Leu Lys Lys
            20

<210> 138
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 138
Glu Tyr Leu Glu Arg Arg Ala Ser Arg Arg Arg Ala Val
 1   5   10

<210> 139
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 139
Arg Pro Thr Pro Gly Asp Gly Glu Lys Arg Ser Arg Ile Lys Lys Ser
 1   5   10   15
Lys Lys Arg Lys
            20

<210> 140
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 140
Thr Glu Leu Glu Gly Gly Phe Ser Arg Gln Arg Lys Arg Lys Leu Ser
 1   5   10   15
Phe Arg Arg Arg
            20

<210> 141
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 141
Val Thr Asp Ser Gln Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser
 1   5   10   15
Tyr Arg Lys Ile
            20

<210> 142
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 142
Glu Arg His Val Ala Gln Lys Lys Ser Arg Leu Arg Arg Arg Ala Ser
 1   5   10   15
Gln Leu Lys Ile
            20

<210> 143
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 143
Val Arg Tyr Thr Pro Tyr Thr Ile Ser Pro Tyr Asn Arg Lys Gly Ser
 1   5   10   15
Phe Arg Lys Gln
            20

<210> 144
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 144
Leu Ser Ser Met Phe Gly Thr Leu Pro Arg Lys Ser Arg Lys Gly Ser
 1   5   10   15
Val Arg Lys Gln
            20

<210> 145
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 145
Ile Ser Asp Phe Gly Leu Ala Lys Lys Leu Ala Val Gly Arg His Ser
 1   5   10   15
Phe Ser Arg Arg
            20

<210> 146
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 146
Gln Ala Gln Arg Gln Ile Lys Arg Gly Ala Pro Pro Arg Arg Ser Ser
 1   5   10   15
Ile Arg Asn Ala
            20

<210> 147
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 147
Arg Asp Ile Arg Gln Ser Pro Lys Arg Gly Phe Leu Arg Ser Ala Ser
 1   5   10   15
Leu Gly Arg Arg
            20

<210> 148
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 148
Arg Glu Leu Glu Gln Leu Lys Ala Glu Tyr Leu Glu Arg Arg Ala Ser
 1   5   10   15
Arg Arg Arg Ala
            20

<210> 149
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 149
Arg Val Val Gln Ser Val Lys His Thr Lys Arg Lys Ser Ser Thr Val
 1   5   10   15
Met Lys

<210> 150
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 150
Val Asp Pro Phe Tyr Glu Met Leu Ala Ala Arg Lys Lys Arg Ile Ser
 1   5   10   15
Val Lys Lys Lys
            20

<210> 151
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 151
Pro Gln Asn Ser Leu Lys Ala Ser Asn Arg Lys Lys Lys Arg Thr Ser
 1   5   10   15
Phe Lys Arg Lys
            20

<210> 152
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 152
Asp Leu Ile Glu Gly Arg Lys Gly Ala Gln Ile Val Lys Arg Ala Ser
 1   5   10   15
Leu Lys Arg Gly
            20

<210> 153
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 153
Thr Tyr Leu Leu Pro Asp Lys Ser Arg Gln Gly Lys Arg Lys Thr Ser
 1   5   10   15
Ile Lys Arg Asp
            20

<210> 154
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 154
Lys Lys Phe Phe Thr Gln Gly Trp Ala Gly Trp Arg Lys Lys Thr Ser
 1   5   10   15
Phe Arg Lys Pro
            20

<210> 155
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 155
Arg Trp Asp Lys Arg Arg Trp Arg Lys Ile Pro Lys Arg Pro Gly Ser
 1   5   10   15
Val His Arg Thr
            20

<210> 156
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 156
Ser Ala Gln Ile Thr Ile Pro Lys Asp Gly Gln Lys Arg Lys Lys Ser
 1   5   10   15
Leu Arg Lys Lys
            20

<210> 157
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 157
Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys Lys Lys Arg Phe Ser
 1   5   10   15
Phe Lys Lys Ser
            20

<210> 158
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 158
Val Gln Met Thr Trp Ser Tyr Pro Asp Glu Lys Asn Lys Arg Ala Ser
 1   5   10   15
Val Arg Arg Arg
            20

<210> 159
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 159
Leu Tyr Ala Arg Leu Ala Arg Ala Tyr Arg Arg Ser Gln Arg Ala Ser
 1   5   10   15
Phe Lys Arg Ala
            20

<210> 160
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 160
Pro Phe Glu Val Val Trp Tyr Lys Asp Lys Arg Gln Leu Arg Ser Ser
 1   5   10   15
Lys Lys Tyr Lys
            20

<210> 161
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 161
Lys Tyr Lys Ala Phe Ile Arg Ile Pro Ile Pro Thr Arg Arg His Thr
 1   5   10   15
Phe Arg Arg Gln
            20

<210> 162
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 162
Lys Lys Lys Phe Ser Phe Lys Lys Pro Phe Lys Leu Ser Gly Leu Ser
 1   5   10   15
Phe Lys Arg Asn
            20

<210> 163
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 163
Pro Pro Arg Thr Pro Gly Trp His Gln Leu Gln Pro Arg Arg Val Ser
 1   5   10   15
Phe Arg Gly Glu
            20

<210> 164
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 164
Thr Glu Gly Lys Met Ala Arg Val Ala Trp Lys Gly Lys Arg Arg Ser
 1   5   10   15
Lys Ala Arg Lys
            20

<210> 165
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 165
Thr Glu Glu Lys Ser Lys Lys Arg Lys Lys Lys His Arg Lys Asn Ser
 1   5   10   15
Arg Lys His Lys
            20

<210> 166
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 166
Met Ala Gln Ile Glu Arg Gly Glu Ala Arg Ile Gln Arg Arg Ile Ser
 1   5   10   15
Ile Lys Lys Ala
            20

<210> 167
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 167
Gly Leu Pro Ala Pro Gly Glu Asp Lys Ser Ile Tyr Arg Arg Gly Ser
 1   5   10   15
Arg Arg Trp Arg
            20

<210> 168
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 168
Ala Met Ser Arg Ser Ala Ser Lys Arg Arg Ser Arg
 1   5   10

<210> 169
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 169
Arg Thr Arg Ser Arg Arg Leu Thr Phe Arg Lys
 1   5   10

<210> 170
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 170
Val Lys Leu Arg Arg Ser Lys Lys Arg Thr Lys Arg
 1   5   10

<210> 171
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 171
Arg Arg Gly Arg Arg Ser Thr Lys Lys Arg Arg Arg
 1   5   10

<210> 172
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 172
Val Arg Arg Arg Arg Ser Gln Arg Ile Ser Gln Arg
 1   5   10

<210> 173
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 173
Arg Ser Gly Arg Arg Arg Gly Ser Gln Lys Ser
 1   5   10

<210> 174
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 174
Lys Lys Glu Arg Arg Arg Asn Ser Ile Asn Arg Asn
 1   5   10

<210> 175
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 175
Lys Lys Arg Arg Thr Lys Ser Ser Arg Arg Gly Val
 1   5   10

<210> 176
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 176
Arg Arg Glu Arg Ser Arg Ser Arg Arg Lys Gln
 1   5   10

<210> 177
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 177
Arg Arg Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg
 1   5   10

<210> 178
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 178
Arg Arg Arg Arg Ser Arg Thr Phe Ser Arg Ser
 1   5   10

<210> 179
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 179
Lys Arg His Tyr Arg Lys Ser Val Arg Ser Arg Ser
 1   5   10

<210> 180
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 180
Phe Leu Arg Arg Ser Ser Ser Arg Arg Asn Arg Ser
 1   5   10

<210> 181
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 181
Thr Gly Glu Arg Lys Arg Lys Ser Val Arg Gly
 1   5   10

<210> 182
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 182
Thr Lys Lys Lys Arg Gly Ser Tyr Arg Gly Gly Ser
 1   5   10

<210> 183
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 183
Ala Arg Arg Ser Lys Arg Ser Arg Arg Arg Glu Thr
 1   5   10

<210> 184
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 184
Phe Arg Ala Ser Ser Arg Ser Thr Thr Lys
 1   5   10

<210> 185
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 185
Lys Lys Phe Lys Arg Arg Leu Ser Leu Thr Leu Arg
 1   5   10

<210> 186
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 186
Asp Phe Arg Arg Arg Arg Ser Phe Arg Arg Ile Ala
 1   5   10

<210> 187
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 187
Leu Arg Arg Lys Ser Ser Thr Arg His Ile His Ala
 1   5   10

<210> 188
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 188
Glu Arg Gly Arg Arg Gly Ser Lys Lys Gly Ser Ile
 1   5   10

<210> 189
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 189
Gly Arg Arg Arg Arg Ser Arg Ser Lys Val Lys
 1   5   10

<210> 190
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 190
Arg Arg Arg Arg His Thr Met Asp Lys Asp Ser Arg
 1   5   10

<210> 191
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<400> 191
His Lys Arg Asn Ser Val Arg Leu Val Ile Arg
 1   5   10

<210> 192
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 192
Gly Asn Arg Lys Gly Lys Ser Lys Lys Trp Arg Gln
 1   5   10

<210> 193
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 193
Pro Leu Arg Lys Ser Ser Leu Lys Lys Gly Gly Arg
 1   5   10

<210> 194
<211> 12
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<220>
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<400> 194
Lys Arg Arg Lys Arg Lys Ser Leu Gln Arg His Lys
 1   5   10

<210> 195
<211> 10
<212> PRT
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<220>
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<400> 195
Pro Gly Ser Ser His Arg Lys Thr Lys Lys
 1   5   10

<210> 196
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 196
Arg Trp Lys Arg Arg Arg Ser Tyr Ser Arg Glu His
 1   5   10

<210> 197
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 197
Ile Leu Arg Pro Ser Lys Ser Val Lys Leu Arg Ser
 1   5   10

<210> 198
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 198
Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
 1   5   10

<210> 199
<211> 12
<212> PRT
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<220>
<223> A synthetic peptide

<400> 199
Arg Gly Arg Arg Ser Arg Ser Arg Leu Arg Arg Arg
 1   5   10

<210> 200
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 200
Glu Gln Gln Arg Arg Ala Leu Ser Phe Arg Gln
 1   5   10

<210> 201
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 201
Thr Gln Asp Arg Arg Lys Ser Leu Phe Lys Lys Ile
 1   5   10

<210> 202
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 202
Val Met Lys Arg Lys Phe Ser Leu Arg Ala Ala Glu
 1   5   10

<210> 203
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 203
Val Arg Arg Ser Lys Lys Ser Lys Lys Lys Glu Ser
 1   5   10

<210> 204
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 204
Arg Phe Ser Arg Arg Ser Ser Ser Trp Arg Ile Leu
 1   5   10

<210> 205
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 205
Glu Gly Arg Arg Ser Arg Ser Arg Arg Tyr Ser Gly
 1   5   10

<210> 206
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 206
Lys Ser Ser Arg Asn Ser Thr Ser Val Lys Lys Lys
 1   5   10

<210> 207
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 207
Ser Phe Arg Gly His Ile Thr Arg Lys Lys Leu Lys
 1   5   10

<210> 208
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 208
Val Ser Arg Pro Arg Lys Ser Arg Lys Arg Val Asp
 1   5   10

<210> 209
<211> 12
<212> PRT
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<220>
<223> A synthetic peptide

<400> 209
Asp Lys Glu Lys Ser Lys Gly Ser Leu Lys Arg Lys
 1   5   10

<210> 210
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 210
Pro Leu Arg Arg Arg Glu Ser Met His Val Glu Gln
 1   5   10

<210> 211
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 211
Arg Ser Arg Ser Tyr Ser Arg Ser Arg Ser Arg
 1   5   10

<210> 212
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<400> 212
Val Ser Arg Gly Ser Ser Leu Lys Ile Leu Ser Lys
 1   5   10

<210> 213
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 213
Arg His Ser Arg Ser Arg Ser Arg His Arg Leu Ser
 1   5   10

<210> 214
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 214
Ser Arg Arg Arg Ser Pro Ser Tyr Ser Arg His Ser
 1   5   10

<210> 215
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<400> 215
Thr Lys Lys Arg Ser Lys Ser Arg Ser Lys Glu Arg
 1   5   10

<210> 216
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<223> Xaa = pSer (phosphorylated serine)

<400> 229
Trp Lys Asn Xaa Ile Arg His
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<400> 230
Arg Arg Pro Xaa Tyr Arg Lys
 1   5

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<223> Xaa = biotinylated-Lys

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<223> Xaa = dansylated-Lys

<400> 231
Xaa Xaa Pro Pro Gly
 1   5

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<223> Xaa = pS (phosphorylated serine)

<400> 289
Met Lys Asn Ala His Ala Lys Ala Xaa Arg Thr Ser Ser Lys His Lys
1 5 10 15
Glu

<210> 290
<211> 17
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 290
Arg Val Ile Leu Gln Gly Arg Asp Xaa Asn Ile Pro Gly Ser Asp Tyr
1 5 10 15
Ile

<210> 291
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 291
Ala His Ala Lys Ala Ser Arg Thr Xaa Ser Lys His Lys Glu Asp Val
 1   5   10   15
Tyr

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 292
Lys Lys Lys Leu Glu Val Leu Gln Xaa Gln Lys Gly Gln Glu Ser Glu
 1   5   10   15
Tyr

<210> 293
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 293
Pro Ser Glu Pro Gly Gly Val Leu Xaa Phe Leu Asp Gln Ile Asn Gln
 1   5   10   15
Arg

<210> 294
<211> 17
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 294
His Ala Lys Ala Ser Arg Thr Ser Xaa Lys His Lys Glu Asp Val Tyr

1 5 10 15
Glu

<210> 295
<211> 17
<212> PRT
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 295
Pro Trp Thr Phe Leu Val Arg Glu Xaa Leu Ser Gln Pro Gly Asp Phe
1 5 10 15
Val

<210> 296
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 296
Lys Asn Gln Gly Asp Phe Ser Leu Xaa Val Arg Val Gly Asp Gln Val
1 5 10 15
Thr

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 297
Pro Leu Asn Cys Ser Asp Pro Thr Xaa Glu Arg Trp Tyr His Gly His
1 5 10 15
Met

<210> 298

<211> 13
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 298
Ala Asp Lys Glu Lys Ser Lys Gly Xaa Leu Lys Arg Lys
 1   5   10

<210> 299
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 299
Leu Lys Gly Arg Gly Val His Gly Xaa Phe Leu Ala Arg Pro Ser Arg
 1   5   10   15
Lys

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<223> Xaa = pS (phosphorylated serine)

<400> 300
His Gly Ser Phe Leu Ala Arg Pro Xaa Arg Lys Asn Gln Gly Asp Phe
 1   5   10   15
Ser

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 301
Arg Ser Gly Arg Arg Arg Gly Xaa Gln Lys Ser Thr Asp Ser
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 302
Ala Gln Ile Val Lys Arg Ala Xaa Leu Lys Arg Gly Lys Gln
 1   5   10

<210> 303
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 303
Phe Glu Arg Gly Arg Arg Gly Xaa Lys Lys Gly Ser Ile Asp
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 304
Ser Glu Gly Arg Arg Ser Arg Xaa Arg Arg Tyr Ser Gly Ser
 1   5   10

<210> 305
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 305
Phe Lys Arg Arg Lys Arg Lys Xaa Leu Gln Arg His Lys
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 306
Ile Lys Lys Arg Arg Thr Lys Xaa Ser Arg Arg Gly Val Ser
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 307
Lys Lys Arg Arg Thr Lys Ser Xaa Arg Arg Gly Val Ser Arg
 1   5   10

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<220>
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<220>
<221> SITE
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<223> Xaa = pS (phosphorylated serine)

<400> 308
Pro Glu Val Lys Leu Arg Arg Xaa Lys Lys Arg Thr Lys Arg
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 309
Tyr Ser Leu Val Arg Thr Arg Xaa Arg Arg Leu Thr Phe Arg
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 310
Gly Gly Asn Arg Lys Gly Lys Xaa Lys Lys Trp Arg Gln Met
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 311
Leu Arg Arg Arg Xaa Leu Arg Arg Ser Asn Ser
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 312
Arg Phe Ser Arg Arg Ser Ser Xaa Trp Arg Ile Leu Gly Ser
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 313
Arg Arg Gly Thr Phe Lys Arg Xaa Lys Leu Arg Ala Arg Asp
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 314
His Val Arg Arg Arg Arg Gly Xaa Phe Lys Arg Ser Lys Leu
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 315
Lys Lys Glu Arg Arg Arg Asn Xaa Ile Asn Arg Asn Phe Val
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 316
Thr Ser Ser Tyr Arg Ser Arg Xaa Tyr Ser Arg Ser Arg Ser
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 317
Lys Lys Phe Lys Arg Arg Leu Xaa Leu Thr Leu Arg Gly Ser
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 318
Arg Lys Thr Ser Ser Lys Ser Xaa Val Arg Lys Arg Arg
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 319
Ser Asp Phe Arg Arg Arg Arg Xaa Phe Arg Arg Ile Ala Gly
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 320
Asp Lys Glu Lys Ser Lys Gly Xaa Leu Lys Arg Lys
 1   5   10

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<223> Xaa = pT (phosphorylated threonine)

<400> 321
Arg Ala Leu Ser Phe Arg Gln Xaa Ser Trp Leu Ser
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 322
Glu Gln Gln Arg Arg Ala Leu Xaa Phe Arg Gln Thr Ser Trp
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 323
Gln Ala Met Ser Arg Ser Ala Xaa Lys Arg Arg Ser Arg Phe
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 324
Lys Thr Lys Lys Lys Arg Gly Xaa Tyr Arg Gly Gly Ser Ile
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 325
Ala Ala Arg Lys Lys Arg Ile Xaa Val Lys Lys Lys Gln Glu
 1   5   10

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<223> Xaa = pS (phosphorylated serine)

<400> 326
Lys Lys Lys His Arg Lys Asn Xaa Arg Lys His Lys
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 327
Phe Gly Thr Leu Pro Arg Lys Xaa Arg Lys Gly Ser Val Arg
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 328
Pro Arg Lys Ser Arg Lys Gly Xaa Val Arg Lys Gln
 1   5   10

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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 329
Ser Ser Ser Arg Arg Asn Arg Xaa Ile Ser Asn
 1   5   10

<210> 330
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<220>
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<220>
<221> SITE
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<223> Xaa = pS (phosphorylated serine)

<400> 330
Asp Phe Leu Arg Arg Ser Ser Xaa Arg Arg Asn Arg Ser Ile
 1   5   10

<210> 331
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 331
Arg Met Ala Arg Arg Xaa Lys Arg Ser Arg Arg Arg
 1   5   10

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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 332
Glu Thr Gln Asp Arg Arg Lys Xaa Leu Phe Lys Lys Ile Ser
 1   5   10

<210> 333
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 333
Met Ala Arg Arg Ser Lys Arg Xaa Arg Arg Arg Glu Thr Gln
 1   5   10

<210> 334
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 334
Arg Arg Arg Ser Gln Arg Ile Xaa Gln Arg Ile Thr
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 335
Ser Gly Val Arg Arg Arg Arg Xaa Gln Arg Ile Ser Gln Arg
 1   5   10

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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 336
Val Ile Leu Arg Pro Ser Lys Xaa Val Lys Leu Arg Ser Pro
 1   5   10

<210> 337
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 337
Arg Arg Arg Arg Pro Thr Lys Xaa Lys Gly Ser Lys Ser Ser
 1   5   10

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<220>
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<220>
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<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 338
Ser Gly Arg Arg Arg Arg Pro Xaa Lys Ser Lys Gly Ser Lys
 1   5   10

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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 339
Arg Lys Ser Val Arg Ser Arg Xaa Arg His Glu
 1   5   10

<210> 340
<211> 14
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<220>
<223> A synthetic peptide

<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 340
Thr Lys Arg His Tyr Arg Lys Xaa Val Arg Ser Arg Ser Arg
 1   5   10

<210> 341
<211> 14
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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 341
Ala Gly Pro Leu Arg Lys Ser Xaa Leu Lys Lys Gly Gly Arg
 1   5   10

<210> 342
<211> 14
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<220>
<223> A synthetic peptide

<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 342
Glu Lys Ser His Lys Arg Asn Xaa Val Arg Leu Val Ile Arg
 1   5   10

<210> 343
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<220>
<223> A synthetic peptide

<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 343
Thr Pro Ser Phe Leu Lys Lys Xaa Lys Lys
 1   5   10

<210> 344
<211> 8
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 344
Arg Arg Xaa Gly Arg Arg Arg Gly
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<210> 345
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 345
Asp Gly Gln Lys Arg Lys Lys Xaa Leu Arg Lys Lys Leu Asp
 1   5   10

<210> 346
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 346
Asn Arg Leu Arg Arg Lys Ser Xaa Thr Arg His Ile His Ala
 1   5   10

<210> 347
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<220>
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<220>
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<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 347
Asn Arg Leu Arg Arg Lys Xaa Ser Thr Arg His Ile His
 1   5   10

<210> 348
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 348
Arg Gly Phe Leu Arg Ser Ala Xaa Leu Gly Arg Arg
 1   5   10

<210> 349
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<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 349
Gly Ser Glu Gly Arg Arg Xaa Arg Ser Arg Arg Tyr Ser
 1   5   10

<210> 350
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<220>
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<220>
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<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 350
Arg Arg Arg Arg Arg Ser Arg Xaa Phe Ser Arg Ser Ser Ser
 1   5   10

<210> 351
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 351
Arg Arg Arg Ser Arg Thr Phe Xaa Arg Ser Ser Ser
 1   5   10

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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 352
Tyr Arg Trp Lys Arg Arg Arg Xaa Tyr Ser Arg Glu His Glu
 1   5   10

<210> 353
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 353
Leu Arg Arg Ser Lys Lys Arg Xaa Lys Arg Ser Ser
 1   5   10

<210> 354
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 354
Lys Leu Ala Val Gly Arg His Xaa Phe Ser Arg Arg Ser Gly
 1   5   10

<210> 355
<211> 10
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 355
Ala Val Gly Arg His Ser Phe Xaa Arg Arg
 1   5   10

<210> 356
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 356
Arg Glu Arg Arg Glu Arg Xaa Arg Ser Arg Arg Lys Gln
 1   5   10

<210> 357
<211> 14
<212> PRT
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 357
Glu Arg Arg Glu Arg Ser Arg Xaa Arg Arg Lys Gln His Leu
 1   5   10

<210> 358
<211> 12
<212> PRT
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<220>
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<220>
<221> SITE
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<223> Xaa = pS (phosphorylated serine)

<400> 358
Lys Arg Pro Arg Arg Lys Ser Xaa Arg Arg Lys Lys
 1   5   10

<210> 359
<211> 13
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 359
Gly Lys Arg Pro Arg Arg Lys Xaa Ser Arg Arg Lys Lys
 1   5   10

<210> 360
<211> 14
<212> PRT
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<220>
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<220>
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<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 360
Lys Ala Thr Thr Lys Lys Arg Xaa Leu Arg Lys Asn Asp Arg
 1   5   10

<210> 361
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 361
Arg Arg Arg Ser Leu Arg Arg Xaa Asn Ser Ile Ser Lys Ser
 1   5   10

<210> 362
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 362
Arg Ser Leu Arg Arg Ser Asn Xaa Ile Ser Lys Ser Pro Gly
 1   5   10

<210> 363
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 363
Asp Arg Phe Ser Arg Arg Ser Xaa Ser Trp Arg Ile Leu Gly
 1   5   10

<210> 364
<211> 13
<212> PRT
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<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 364
Asp Arg Phe Ser Arg Arg Xaa Ser Ser Trp Arg Ile Leu
 1   5   10

<210> 365
<211> 12
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<220>
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<220>
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<222> 6
<223> Xaa = pS (phosphorylated serine)

<400> 365
Val Gln Arg His Arg Xaa Met Arg Lys Thr Phe Ala
 1   5   10

<210> 366
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 366
Ala Gly Ser Phe Lys Arg Asn Xaa Ile Lys Lys Ile Val
 1   5   10

<210> 367
<211> 14
<212> PRT
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 367
Ser Tyr Arg Ser Arg Ser Tyr Xaa Arg Ser Arg Ser Arg Gly
 1   5   10

<210> 368
<211> 12
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 368
Arg Ser Arg Ser Tyr Ser Arg Xaa Arg Ser Arg Gly
 1   5   10

<210> 369
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 369
Arg Ala Ser Ser Arg Ser Thr Xaa Lys Lys Arg
 1   5   10

<210> 370
<211> 12
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<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 370
Phe Arg Ala Ser Ser Arg Ser Xaa Thr Lys Lys Arg
 1   5   10

<210> 371
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 371
Phe Lys Arg Arg Leu Ser Leu Xaa Leu Arg Gly Ser Gln Thr
 1   5   10

<210> 372
<211> 12
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<220>
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<220>
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<223> Xaa = pT (phosphorylated threonine)

<400> 372
Lys Arg Glu Arg Lys Xaa Ser Ser Lys Ser Ser Val
 1   5   10

<210> 373
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 373
Lys Lys Arg Glu Arg Lys Thr Xaa Ser Lys Ser Ser Val Arg
 1   5   10

<210> 374
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 374
Lys His Thr Lys Arg Lys Ser Xaa Thr Val Met Lys
 1   5   10

<210> 375
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
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<223> Xaa = pT (phosphorylated threonine)

<400> 375
Val His Tyr Thr Ser Lys Asp Xaa Leu Arg Lys Arg His Tyr
 1   5   10

<210> 376
<211> 12
<212> PRT
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 376
Lys Ser Ile Tyr Arg Arg Gly Xaa Arg Arg Trp Arg
 1   5   10

<210> 377
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 377
Asn Val Met Lys Arg Lys Phe Xaa Leu Arg Ala Ala Glu Phe
 1   5   10

<210> 378
<211> 12
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 378
Arg Ser Ala Ser Lys Arg Arg Xaa Arg Phe Ser Ser
 1   5   10

<210> 379
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 379
Glu Lys Ile Lys Arg Ser Xaa Leu Lys Lys Val Asp Ser
 1   5   10

<210> 380
<211> 14
<212> PRT
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 380
Glu Ile Ser Cys Arg Thr Ser Xaa Arg Lys Arg Ala Gly Lys
 1   5   10

<210> 381
<211> 13
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 381
Trp Lys Gly Lys Arg Arg Xaa Lys Ala Arg Lys Lys Arg
 1   5   10

<210> 382
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<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 6
<223> Xaa = pS (phosphorylated serine)

<400> 382
Arg Ala Arg Arg Asp Xaa Leu Lys Lys Ile Glu Ile
 1   5   10

<210> 383
<211> 12
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<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 6
<223> Xaa = pS (phosphorylated serine)

<400> 383
Ala Leu Arg Arg Pro Xaa Leu Arg Arg Glu Ala Asp
 1   5   10

<210> 384
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
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<223> Xaa = pT (phosphorylated threonine)

<400> 384
Asn Arg Lys Lys Lys Arg Xaa Ser Phe Lys Arg Lys Ala
 1   5   10

<210> 385
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 385
Asp Asp Phe Leu Arg Arg Ser Xaa Ser Arg Arg Asn Arg Ser
 1   5   10

<210> 386
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 386
Pro Arg Leu Ile Arg Arg Gly Xaa Lys Lys Arg Pro Ala Arg
 1   5   10

<210> 387
<211> 12
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 387
Met Ile Leu Lys Arg Arg Lys Xaa Leu Lys Gln Lys
 1   5   10

<210> 388
<211> 14
<212> PRT
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 388
Lys Arg Pro Gly Lys Lys Gly Xaa Asn Lys Arg Pro Gly Lys
 1   5   10

<210> 389
<211> 14
<212> PRT
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 389
Met Val Arg Arg Ser Lys Lys Xaa Lys Lys Lys Glu Ser Leu
 1   5   10

<210> 390
<211> 12
<212> PRT
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<220>
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<220>
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<222> 6
<223> Xaa = pS (phosphorylated serine)

<400> 390
Arg Met Val Arg Arg Xaa Lys Lys Ser Lys Lys Lys
 1   5   10

<210> 391
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 391
Glu Val Ser Arg Pro Arg Lys Xaa Arg Lys Arg Val Asp Ser
 1   5   10

<210> 392
<211> 14
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 392
Ala Arg Ile Ile Gly Glu Lys Xaa Phe Arg Arg Ser Val Val
 1   5   10

<210> 393
<211> 13
<212> PRT
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<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 393
Ser Val Ile Leu Arg Pro Xaa Lys Ser Val Lys Leu Arg
 1   5   10

<210> 394
<211> 13
<212> PRT
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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 394
Glu Tyr Leu Glu Arg Arg Ala Xaa Arg Arg Arg Ala Val
 1   5   10

<210> 395
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 395
Lys Lys Arg Arg Gly Arg Arg Xaa Thr Lys Lys Arg Arg Arg
 1   5   10

<210> 396
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 396
Lys Arg Arg Gly Arg Arg Ser Xaa Lys Lys Arg Arg Arg Arg
 1   5   10

<210> 397
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 397
Ser Lys Ser Gln Arg Arg Lys Xaa Leu Lys Leu Lys
 1   5   10

<210> 398
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 398
Glu Gly Gly Asp Arg Arg Ala Xaa Gly Arg Arg Lys
 1   5   10

<210> 399
<211> 14
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<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 399
Glu Tyr Arg Arg Arg Arg His Xaa Met Asp Lys Asp Ser Arg
 1   5   10

<210> 400
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
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<223> Xaa = pT (phosphorylated threonine)

<400> 400
Arg Leu Arg Arg Lys Ser Ser Xaa Arg His Ile His Ala Leu
 1   5   10

<210> 401
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 401
Lys Ile Pro Lys Arg Pro Gly Xaa Val His Arg Thr Pro Ser
 1   5   10

<210> 402
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 402
Arg Arg Arg Arg Arg Arg Xaa Arg Thr Phe Ser Arg Ser
 1   5   10

<210> 403
<211> 12
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 403
Arg Ser Arg Thr Phe Ser Arg Xaa Ser Ser Met Lys
 1   5   10

<210> 404
<211> 10
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 404
Arg Thr Phe Ser Arg Ser Ser Xaa Met Lys
 1   5   10

<210> 405
<211> 7
<212> PRT
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<220>
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<220>
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<222> 1
<223> Xaa = pS (phosphorylated serine)

<400> 405
Xaa Tyr Arg Trp Lys Arg Arg
 1   5

<210> 406
<211> 14
<212> PRT
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<220>
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<220>
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<223> Xaa = pS (phosphorylated serine)

<400> 406
Trp Lys Arg Arg Arg Ser Tyr Xaa Arg Glu His Glu Gly Arg
 1   5   10

<210> 407
<211> 13
<212> PRT
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<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pT (phosphorylated threonine)

<400> 407
Phe Ile Lys Lys Arg Arg Xaa Lys Ser Ser Arg Arg Gly
 1   5   10

<210> 408
<211> 10
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 408
Lys Ser Ser Arg Arg Gly Val Xaa Arg Glu
 1   5   10

<210> 409
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 409
Ser Lys Lys Arg Thr Lys Arg Xaa Ser
 1   5

<210> 410
<211> 10
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 410
Arg His Ser Phe Ser Arg Arg Xaa Gly Val
 1   5   10

<210> 411
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 411
Ala Ser Phe Arg Gly His Ile Xaa Arg Lys Lys Leu Lys Gly
 1   5   10

<210> 412
<211> 12
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 412
Tyr Arg Arg Ser Gln Arg Ala Xaa Phe Lys Arg Ala
 1   5   10

<210> 413
<211> 14
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<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 413
Leu Ala Arg Ala Tyr Arg Arg Xaa Gln Arg Ala Ser Phe Lys
 1   5   10

<210> 414
<211> 9
<212> PRT
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<220>
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<220>
<221> SITE
<222> 3
<223> Xaa = pT (phosphorylated threonine)

<400> 414
Lys Ala Xaa Thr Lys Lys Arg Thr Leu
 1   5

<210> 415
<211> 10
<212> PRT
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<220>
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<220>
<221> SITE
<222> 4
<223> Xaa = pS (phosphorylated serine)

<400> 415
Lys Ala Thr Xaa Lys Lys Arg Thr Leu Arg
 1   5   10

<210> 416
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 416
Arg His Arg Ser Met Arg Lys Xaa Phe Ala Arg Tyr Leu Ser
 1   5   10

<210> 417
<211> 12
<212> PRT
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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 417
Lys Thr Phe Ala Arg Tyr Leu Xaa Phe Arg Arg Asp
 1   5   10

<210> 418
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 418
Gln Lys Gln Arg Ser Ala Gly Xaa Phe Lys Arg Asn Ser Ile
 1   5   10

<210> 419
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 419
Arg Ser Tyr Ser Arg Ser Arg Xaa Arg Gly
 1   5   10

<210> 420
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 420
Asn Thr Gln Gln Phe Arg Ala Xaa Ser Arg Ser Thr Thr Lys
 1   5   10

<210> 421
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 421
Thr Gln Gln Phe Arg Ala Ser Xaa Arg Ser Thr Thr Lys Lys
 1   5   10

<210> 422
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 422
Val Lys His Thr Lys Arg Lys Xaa Ser Thr Val Met Lys
 1   5   10

<210> 423
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 423
His Thr Lys Arg Lys Ser Ser Xaa Val Met Lys
 1   5   10

<210> 424
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
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<223> Xaa = pS (phosphorylated serine)

<400> 424
Arg Val Val Gln Xaa Val Lys His Thr Lys Arg
 1   5   10

<210> 425
<211> 12
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 425
Lys Ser Lys Asp Lys Arg Lys Xaa Arg Lys Arg Ser
 1   5   10

<210> 426
<211> 8
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 426
Lys Arg Lys Ser Arg Lys Arg Xaa
 1   5

<210> 427
<211> 14
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 427
Arg Ser Arg Ser Arg Ser Lys Xaa Lys Asp Lys Arg Lys Ser
 1   5   10

<210> 428
<211> 14
<212> PRT
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<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 428
Arg Ser Arg Ser Arg Ser Arg Xaa Lys Ser Lys Asp Lys Arg
 1   5   10

<210> 429
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 4
<223> Xaa = pS (phosphorylated serine)

<400> 429
Arg Ser Arg Xaa Arg Ser Arg Ser Lys Ser
 1   5   10

<210> 430
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 6
<223> Xaa = pS (phosphorylated serine)

<400> 430
Arg Ser Arg Ser Arg Xaa Arg Ser Lys Ser Lys Asp
 1   5   10

<210> 431
<211> 12
<212> PRT
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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 431
Ala Arg Ile Gln Arg Arg Ile Xaa Ile Lys Lys Ala
 1   5   10

<210> 432
<211> 14
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<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 432
Ala Pro Leu Arg Arg Arg Glu Xaa Met His Val Glu Gln Arg
 1   5   10

<210> 433
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 433
Asp Lys Lys Gln Ile Arg Ser Xaa Lys Lys Tyr Arg
 1   5   10

<210> 434
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 434
Lys Asp Lys Arg Gln Leu Arg Xaa Ser Lys Lys Tyr Lys
 1   5   10

<210> 435
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 435
Ser Ser Leu Lys Lys Val Asp Xaa Leu Lys Lys
 1   5   10

<210> 436
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 436
Ser Val Arg Gln Arg Arg Met Xaa Leu Arg Asp Asp
 1   5   10

<210> 437
<211> 11
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<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 437
Ser Arg Ser Arg His Arg Leu Xaa Arg Ser Arg
 1   5   10

<210> 438
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 438
Ser Ser Arg His Ser Arg Xaa Arg Ser Arg His Arg Leu
 1   5   10

<210> 439
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 439
Tyr Ser Arg Arg Arg Ser Pro Xaa Tyr Ser Arg His Ser Ser
 1   5   10

<210> 440
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 440
Ser Arg His Ser Arg Ser Arg Xaa Arg His Arg Leu Ser Arg
 1   5   10

<210> 441
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 441
Arg Asp Arg Gly Arg Arg Xaa Arg Ser Arg Leu Arg Arg
 1   5   10

<210> 442
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 442
Arg Ser Arg Leu Arg Arg Arg Xaa Arg Ser
 1   5   10

<210> 443
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 443
Arg Gly Gly Arg Arg Arg Arg Xaa Arg Ser Lys Val Lys Glu
 1   5   10

<210> 444
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 444
Thr Thr Lys Lys Arg Ser Lys Xaa Arg Ser Lys Glu Arg Thr
 1   5   10

<210> 445
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 445
Asp Arg Gly Arg Arg Ser Arg Xaa Arg Leu Arg Arg Arg Ser
 1   5   10

<210> 446
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 446
Arg Leu Arg Arg Arg Ser Arg Xaa
 1   5

<210> 447
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 447
Gly Arg Arg Arg Arg Ser Arg Xaa Lys Val Lys Glu Asp Lys
 1   5   10

<210> 448
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 448
Lys Lys Arg Lys Lys Lys Xaa Ser Lys Ser Leu Ala His
 1   5   10

<210> 449
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 449
Lys Lys Arg Lys Lys Lys Ser Xaa Lys Ser Leu Ala His Ala
 1   5   10

<210> 450
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 450
Gln Leu Gln Pro Arg Arg Val Xaa Phe Arg Gly Glu
 1   5   10

<210> 451
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
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<222> 3
<223> Xaa = pT (phosphorylated threonine)

<400> 451
Glu Lys Xaa Lys Lys Lys Arg Gly Ser
 1   5

<210> 452
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 452
Arg Gly Ser Tyr Arg Gly Gly Xaa Ile Ser Val
 1   5   10

<210> 453
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 5
<223> Xaa = pS (phosphorylated serine)

<400> 453
Thr Glu Glu Lys Xaa Lys Lys Arg Lys Lys Lys
 1   5   10

<210> 454
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 454
Ala Gly Trp Arg Lys Lys Thr Xaa Phe Arg Lys Pro
 1   5   10

<210> 455
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 7
<223> Xaa = pT (phosphorylated threonine)

<400> 455
Ala Gly Trp Arg Lys Lys Xaa Ser Phe Arg Lys Pro Lys
 1   5   10

<210> 456
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 456
Asp Asp Phe Leu Arg Arg Xaa Ser Ser Arg Arg Asn Arg
 1   5   10

<210> 457
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 457
Ser Thr Ser Val Lys Lys Lys Xaa Ser Arg Asn
 1   5   10

<210> 458
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 458
Thr Ser Val Lys Lys Lys Ser Xaa Arg Asn
 1   5   10

<210> 459
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 459
Lys Ser Ser Arg Asn Ser Thr Xaa Val Lys Lys Lys Ser Ser
 1   5   10

<210> 460
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 460
Leu Lys Ser Ser Arg Asn Ser Xaa Ser Val Lys Lys Lys Ser
 1   5   10

<210> 461
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 7
<223> Xaa = pS (phosphorylated serine)

<400> 461
Leu Lys Ser Ser Arg Asn Xaa Thr Ser Val Lys Lys Lys
 1   5   10

<210> 462
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pT (phosphorylated threonine)

<400> 462
Lys Arg Ser Arg Arg Arg Glu Xaa Gln Asp Arg
 1   5   10

<210> 463
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 463
Val Lys Leu Arg Ser Pro Lys Xaa
 1   5

<210> 464
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 464
Glu Tyr Leu Glu Arg Arg Ala Xaa Arg Arg Arg Ala Val
 1   5   10

<210> 465
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 465
Ala Arg Pro Lys Thr Arg Ile Xaa Asn Lys Tyr Arg
 1   5   10

<210> 466
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 466
Ser Pro Tyr Asn Arg Lys Gly Xaa Phe Arg Lys Gln
 1   5   10

<210> 467
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<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 467
Ile Thr Asp Glu Ser Arg Gly Xaa Ile Arg Arg Lys
 1   5   10

<210> 468
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 468
Pro Gly Asp Gly Glu Lys Arg Xaa Arg Ile Lys Lys Ser Lys
 1   5   10

<210> 469
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 469
Lys Arg Ser Arg Ile Lys Lys Xaa Lys Lys Arg Lys
 1   5   10

<210> 470
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 470
Ala Arg Leu Met Arg Arg Asn Xaa Leu Asn Arg Lys
 1   5   10

<210> 471
<211> 13
<212> PRT
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<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 7
<223> Xaa = pT (phosphorylated threonine)

<400> 471
Arg Gln Gly Lys Arg Lys Xaa Ser Ile Lys Arg Asp Thr
 1   5   10

<210> 472
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 472
Arg Gln Gly Lys Arg Lys Thr Xaa Ile Lys Arg Asp Thr Val
 1   5   10

<210> 473
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> 8
<223> Xaa = pS (phosphorylated serine)

<400> 473
Asn Arg Lys Lys Lys Arg Thr Xaa Phe Lys Arg Lys Ala
 1   5   10

<210> 474
<211> 14
<212> PRT
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<220>
<223> A synthetic peptide

<400> 474
Lys Lys Lys Lys Lys Arg Phe Ser Phe Lys Lys Ser Phe Lys
 1   5   10

<210> 475
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 475
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Asp Xaa
 1   5   10

<210> 476
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> A synthetic peptide

<220>
<221> SITE
<222> (1)...(11)
<223> Xaa = any amino acid

<400> 476
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Asn Xaa
 1   5   10

<210> 477

<211> 11
<212> PRT
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 477
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Gln Xaa
 1   5   10

<210> 478
<211> 11
<212> PRT
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 478
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Arg Xaa
 1   5   10

<210> 479
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<220>
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<220>
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<400> 479
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Lys Xaa
 1   5   10

<210> 480
<211> 11
<212> PRT
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<220>
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<220>
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<222> (1)...(11)
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<400> 480
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe His Xaa
 1   5   10

<210> 481
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 481
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Ser Xaa
 1   5   10

<210> 482
<211> 11
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<220>
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<220>
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<223> Xaa = any amino acid

<400> 482
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Pro Xaa
 1   5   10

<210> 483
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<220>
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<220>
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<222> (1)...(11)
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<400> 483
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Leu Xaa
 1   5   10

<210> 484
<211> 11
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 484
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Phe Xaa
 1   5   10

<210> 485
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 485
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Trp Xaa
 1   5   10

<210> 486
<211> 11
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 486
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Gly Xaa
 1   5   10

<210> 487
<211> 11
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 487
Xaa Xaa Xaa Xaa Arg Xaa Xaa Ser Phe Ala Xaa
 1   5   10

<210> 488
<211> 11
<212> PRT
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<220>
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<220>
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<223> Xaa = any amino acid

<400> 488
Xaa Xaa Xaa Asp Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 489
<211> 11
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 489
Xaa Xaa Xaa Asn Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 490
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<220>
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<400> 490
Xaa Xaa Xaa Gln Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 491
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 491
Xaa Xaa Xaa Arg Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 492
<211> 11
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 492
Xaa Xaa Xaa Lys Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 493
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 493
Xaa Xaa Xaa His Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 494
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<220>
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<220>
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 1   5   10

<210> 495
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<220>
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<220>
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<400> 495
Xaa Xaa Xaa Pro Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 496
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<220>
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<220>
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<222> (1)...(11)
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<400> 496
Xaa Xaa Xaa Leu Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 497
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 497
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 1   5   10

<210> 498
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<220>
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 1   5   10

<210> 499
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<220>
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<220>
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<222> (1)...(11)
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<400> 499
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 1   5   10

<210> 500
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 500
Xaa Xaa Xaa Ala Arg Xaa Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 501
<211> 11
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<220>
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<400> 501
Xaa Xaa Xaa Xaa Arg Asp Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 502
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<220>
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<220>
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<223> Xaa = any amino acid

<400> 502
Xaa Xaa Xaa Xaa Arg Asn Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 503
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<220>
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<220>
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<400> 503
Xaa Xaa Xaa Xaa Arg Gln Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 504
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 504
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 1   5   10

<210> 505
<211> 11
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<220>
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<220>
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<400> 505
Xaa Xaa Xaa Xaa Arg Lys Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 506
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 506
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 1   5   10

<210> 507
<211> 11
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 507
Xaa Xaa Xaa Xaa Arg Ser Xaa Ser Phe Xaa Xaa
 1   5   10

<210> 508
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<220>
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<220>
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<222> (1)...(11)
<223> Xaa = any amino acid

<400> 508
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 1   5   10

<210> 509
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<220>
<223> A synthetic peptide

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<210> 632
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Lys

<210> 633
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Glu Asp Gly Ala Thr Pro Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys
 1   5   10   15
Lys

<210> 634
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<400> 634
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Phe

<210> 635
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Ser

<210> 636
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<212> PRT
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<400> 636
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Phe

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<400> 637
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Lys

<210> 638
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<400> 638
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 1   5   10   15
Ala

<210> 639
<211> 17
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<210> 640
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<212> PRT
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<220>
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<400> 640
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 1   5   10   15
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